## enaction Deport with SI&A Data

Stru	cture Description: 640.09 Fo	oot - 4 Span Steel conti	inuous Stringe	er/Multi-	beam or Girder	NBI	Х
<b>2</b> D	District: 06 3 County:	Boone 16 Latitu	<b>de:</b> 38°59′28.	00″	7 Longitude: 84°38'38.00"	Element	Х
7 F	acility Carried I-75 RAMP				Milepoint: 180.410	Fracture Critical	
6A F	eature Intersected: NB & SB	I-75 & KY 18 RAM			-	Underwater	
9 L	.ocation: NB&SB 175 & KY 18	3 RAMP				Special	
Stru	cture Description: 640.00 Fr	not <u>- 4 Snan Steel cont</u> i	inuque String	er/Multi.	heam or Girder		
	NBI CONDITI	ON RATINGS		00″	GEOMETR	IC DATA	
58 D	eck: 6	61 Channel:	Ν	48	Max Length Span:	180.118 ft	
59 S	Superstructure: 7	62 Culvert:	Ν	49	Structure Length:	640.092 ft	
60 S	ubstructure: 7	Sufficiency Rating:	81	32	Approach Roadway:	25.919 ft	
				er/1 33	Median:	(1) Open Median	
	DES	SIGN		00″ <sup>34</sup>	Skew:	41°	
Subs	standard:	No		35	Flare:	No Flare	
Fract	ture Critical:	No FC Details		50A	Curb/Sidewalk Width L:	1.490 ft	
43A	Main Span Material:	(4) Steel Continuous	5	50B	Curb/Sidewalk Width R:	1.490 ft	
43B	Main Span Design:	(02) Stringer / Girder	r	47	Horiz. Clearance:	25.918 ft	
45	Number of Spans Main:	4	E	er/N 51	Width Curb to Curb:	25.919 ft	
44A	Approach Span Material:	Not Applicable		<sup>00″</sup> 52	Width Out to Out:	29.199 ft	
44B	Approach Span Design:	Not Applicable		48	Max Length Span:	180.118 ft	
46	Number of Approach Spans	<b>s:</b> 0			ADMINIST	RATIVE	
107	Deck Type:	(1) Concrete-Cast-in	-Place	27	Year Built:	1990	
108A	Wearing Surface:	(1) Monolithic Concr	ete	106	Year Reconstructed:	0	
		(0) 11		40.4	Type of Service On:	(1) Highway	
108B	Membrane:	(0) None		42A			
108B	Membrane: Deck Protection:	(0) None (1) Epoxy Coated Re	einforcing	42A 42B	Type of Service Under:	(1) Highway	
108B 108C Over	Membrane: Deck Protection: lay Y/N:	(0) None (1) Epoxy Coated Re No	einforcing	42A 42B 37	Type of Service Under: Historical Significance:	(1) Highway (5) Not Eligible	
108B 108C Over Over	Membrane: Deck Protection: lay Y/N: lay Type:	(0) None (1) Epoxy Coated Re No None	einforcing	42A 42B 37 21	Type of Service Under: Historical Significance: Maintenance Responsibility	<ul><li>(1) Highway</li><li>(5) Not Eligible</li><li>(01) State Hwy Agency</li></ul>	
108B 108C Over Over Over	Membrane: Deck Protection: lay Y/N: lay Type: lay Thickness:	(0) None (1) Epoxy Coated Re No None -1.000 in	einforcing	42A 42B 37 21 22	Type of Service Under: Historical Significance: Maintenance Responsibility Owner:	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> </ul>	
108B 108C Over Over Over Over	Membrane: Deck Protection: day Y/N: day Type: day Thickness: day Date:	(0) None (1) Epoxy Coated Re No None -1.000 in	einforcing	42A 42B 37 21 22 101	Type of Service Under: Historical Significance: Maintenance Responsibility Owner: Parallel Structure:	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(N) No Il Structure Exists</li> </ul>	
108B 108C Over Over Over Over	Membrane: Deck Protection: lay Y/N: lay Type: lay Thickness: lay Date:	(0) None (1) Epoxy Coated Re No None -1.000 in	einforcing	42A 42B 37 21 22 101 52	Type of Service Under: Historical Significance: Maintenance Responsibility Owner: Parallel Structure: Width Out to Out:	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(1) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(01) No II Structure Exists</li> <li>29.199 ft</li> </ul>	i
108B 108C Over Over Over Over	Membrane: Deck Protection: day Y/N: day Type: day Thickness: day Date: APPR	(0) None (1) Epoxy Coated Re No None -1.000 in	einforcing	42A 42B 37 21 22 101 52	Type of Service Under: Historical Significance: Maintenance Responsibility Owner: Parallel Structure: Width Out to Out: CLEARA	(1) Highway (5) Not Eligible y:(01) State Hwy Agency (01) State Hwy Agency (N) No II Structure Exists 29.199 ft	_
108B 108C Over Over Over Over	Membrane: Deck Protection: Hay Y/N: Hay Type: Hay Thickness: Hay Date: APPR. Bridge Railings:	(0) None (1) Epoxy Coated Re No None -1.000 in AISAL (1) Meets Standards	einforcing	42A 42B 37 21 22 101 52 10	Type of Service Under: Historical Significance: Maintenance Responsibility Owner: Parallel Structure: Width Out to Out: CLEARA Vert. Clearance:	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(1) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(N) No II Structure Exists</li> <li>29.199 ft</li> </ul>	
108B 108C Over Over Over Over 36A 36B	Membrane: Deck Protection: day Y/N: day Type: day Thickness: day Date: APPR. Bridge Railings: Transitions	(0) None (1) Epoxy Coated Re No None -1.000 in AISAL (1) Meets Standards (1) Meets Standards		42A 42B 37 21 22 101 52 10 52	Type of Service Under: Historical Significance: Maintenance Responsibility Owner: Parallel Structure: Width Out to Out: CLEARA Vert. Clearance: Min. Vert. Clearance Over:	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(1) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(01) No Il Structure Exists</li> <li>29.199 ft</li> </ul> NCES 19.334 ft 99.999 ft	
108B 108C Over Over Over Over 36A 36B 36C	Membrane: Deck Protection: Hay Y/N: Hay Type: Hay Thickness: Hay Date: APPR. Bridge Railings: Transitions Approach Guardrail:	(0) None (1) Epoxy Coated Re No None -1.000 in AISAL (1) Meets Standards (1) Meets Standards (1) Meets Standards		42A 42B 37 21 22 101 52 10 53 53	<ul> <li>Type of Service Under:</li> <li>Historical Significance:</li> <li>Maintenance Responsibility</li> <li>Owner:</li> <li>Parallel Structure:</li> <li>Width Out to Out:</li> <li>CLEARA</li> <li>Vert. Clearance:</li> <li>Min. Vert. Clearance Over:</li> <li>Vert. Under Reference:</li> </ul>	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(N) No II Structure Exists</li> <li>29.199 ft</li> <li><b>INCES</b></li> <li>19.334 ft</li> <li>99.999 ft</li> <li>(H) Hwy beneath struct.</li> </ul>	
108B 108C Over Over Over Over 36A 36B 36C 36D	Membrane: Deck Protection: Hay Y/N: Hay Type: Hay Thickness: Hay Date: APPR. Bridge Railings: Transitions Approach Guardrail: Approach Guardrail Ends:	(0) None (1) Epoxy Coated Re No None -1.000 in AISAL (1) Meets Standards (1) Meets Standards (1) Meets Standards (1) Meets Standards (1) Meets Standards		42A 42B 37 21 22 101 52 10 53 54A 54B	<ul> <li>Type of Service Under:</li> <li>Historical Significance:</li> <li>Maintenance Responsibility</li> <li>Owner:</li> <li>Parallel Structure:</li> <li>Width Out to Out:</li> <li>CLEARA</li> <li>Vert. Clearance:</li> <li>Min. Vert. Clearance Over:</li> <li>Vert. Under Reference:</li> <li>Min. Vert. Underclearance:</li> </ul>	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(1) State Hwy Agency</li> <li>(01) St</li></ul>	
108B 108C Over Over Over Over 36A 36B 36C 36D 71	Membrane: Deck Protection: lay Y/N: lay Type: lay Thickness: lay Date: APPR Bridge Railings: Transitions Approach Guardrail: Approach Guardrail Ends: Waterway Adequacy:	(0) None (1) Epoxy Coated Re No None -1.000 in AISAL (1) Meets Standards (1) Meets Standards (1) Meets Standards (1) Meets Standards (1) Meets Standards (1) Meets Standards	einforcing	42A 42B 37 21 22 101 52 10 53 54A 54B 55A	Type of Service Under: Historical Significance: Maintenance Responsibility Owner: Parallel Structure: Width Out to Out: CLEARA Vert. Clearance: Min. Vert. Clearance Over: Vert. Under Reference: Min. Vert. Underclearance: Lateral Under Reference:	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(1) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(N) No II Structure Exists</li> <li>29.199 ft</li> </ul> <b>INCES</b> <ul> <li>19.334 ft</li> <li>99.999 ft</li> <li>(H) Hwy beneath struct.</li> <li>18.084 ft</li> <li>(H) Hwy beneath struct.</li> </ul>	
108B 108C Over Over Over Over 36A 36B 36C 36D 71 72	Membrane: Deck Protection: Hay Y/N: Hay Type: Hay Thickness: Hay Date: APPR. Bridge Railings: Transitions Approach Guardrail: Approach Guardrail Ends: Waterway Adequacy: Approach Alignment:	(0) None (1) Epoxy Coated Re No None -1.000 in AISAL (1) Meets Standards (1) Meets Standards (2) Not Applicable (3) Equal Minimum (2)	einforcing	42A 42B 37 21 22 101 52 10 53 54A 54B 55A 55B	<ul> <li>Type of Service Under:</li> <li>Historical Significance:</li> <li>Maintenance Responsibility</li> <li>Owner:</li> <li>Parallel Structure:</li> <li>Width Out to Out:</li> <li>CLEARA</li> <li>Vert. Clearance:</li> <li>Min. Vert. Clearance Over:</li> <li>Vert. Under Reference:</li> <li>Min. Vert. Underclearance:</li> <li>Lateral Under Reference:</li> <li>Min. Lat. Underclearance R</li> </ul>	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(N) No II Structure Exists</li> <li>29.199 ft</li> </ul> <b>INCES</b> <ul> <li>19.334 ft</li> <li>99.999 ft</li> <li>(H) Hwy beneath struct.</li> <li>18.084 ft</li> <li>(H) Hwy beneath struct.</li> <li>11.155 ft</li> </ul>	
108B 108C Over Over Over Over 36A 36B 36C 36D 71 72 113	Membrane: Deck Protection: Hay Y/N: Hay Type: Hay Thickness: Hay Date: APPR. Bridge Railings: Transitions Approach Guardrail Approach Guardrail Ends: Waterway Adequacy: Approach Alignment: Scour Critical:	(0) None (1) Epoxy Coated Re No None -1.000 in AISAL (1) Meets Standards (1) Moets Sta	einforcing	42A 42B 37 21 22 101 52 10 53 54A 54B 55B 55B 56	<ul> <li>Type of Service Under:</li> <li>Historical Significance:</li> <li>Maintenance Responsibility</li> <li>Owner:</li> <li>Parallel Structure:</li> <li>Width Out to Out:</li> <li>CLEARA</li> <li>Vert. Clearance:</li> <li>Min. Vert. Clearance Over:</li> <li>Vert. Under Reference:</li> <li>Min. Vert. Underclearance:</li> <li>Lateral Under Reference:</li> <li>Min. Lat. Underclearance I</li> </ul>	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(01) State Hwy Agency</li> <li>(N) No II Structure Exists</li> <li>29.199 ft</li> </ul> <b>INCES</b> <ul> <li>19.334 ft</li> <li>99.999 ft</li> <li>(H) Hwy beneath struct.</li> <li>18.084 ft</li> <li>(H) Hwy beneath struct.</li> <li>11.155 ft</li> <li>0.000 ft</li> </ul>	
108B 108C Over Over Over Over 36A 36B 36C 36D 71 72 113 Reco	Membrane: Deck Protection: lay Y/N: lay Type: lay Thickness: lay Date: APPR. Bridge Railings: Transitions Approach Guardrail: Approach Guardrail Ends: Waterway Adequacy: Approach Alignment: Scour Critical:	(0) None (1) Epoxy Coated Re No None -1.000 in AISAL (1) Meets Standards (1) Mot Standards (1) Not over Waterw (N) Not over Waterw	einforcing	42A 42B 37 21 22 101 52 10 53 54A 55A 55B 56 10	<ul> <li>Type of Service Under:</li> <li>Historical Significance:</li> <li>Maintenance Responsibility</li> <li>Owner:</li> <li>Parallel Structure:</li> <li>Width Out to Out:</li> <li>CLEARA</li> <li>Vert. Clearance:</li> <li>Min. Vert. Clearance Over:</li> <li>Vert. Under Reference:</li> <li>Min. Vert. Underclearance R</li> <li>Min. Lat. Underclearance L</li> <li>Vert. Clearance:</li> </ul>	<ul> <li>(1) Highway</li> <li>(5) Not Eligible</li> <li>(01) State Hwy Agency</li> <li>(1) State Hwy Agency</li> <li>(1) No II Structure Exists</li> <li>(1) Hwy beneath struct.</li> </ul>	

41 Posting Status:

Signs Posted Cardinal:

Field Postings Gross:

Field Postings Type I:

Field Postings Type II:

Field Postings Type III:

Field Postings Type IV:

Signs Posted Non-Cardinal:

#### LOAD RATINGS

63 Operating Type:	(1) Load Factor (LF)
64 Operating Rating:	110.0 tons
65 Inventory Type:	(1) Load Factor (LF)
66 Inventory Rating:	77.1 tons
Truck Capacity Type I:	tons
Truck Capacity Type II:	tons
Truck Capacity Type III:	tons
Truck Capacity Type IV:	tons

(A) Open, No Restriction

No

No

-1 tons

-1 tons

-1 tons

-1 tons

-1 tons

12: Re C	12: Re Concrete Deck											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4			
SQ.FT	18,690.35	18,590.35	99%	100	1%	0	0%	0	0%			
Deck~												

Deck wearing surface area was found to have a minor loss of texture throughout wheel track locations, with stone aggregates becoming highly polished.

Random areas throughout deck surface at or near expansion joint devices were found to have surface scaling and spalling conditions.

A minor amount of roadway dirt and debris was found throughout gutter lines of deck surface. (See Photos)

520: Conc Re Prot Sys											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4		
SQ.FT	18,690.35	18,690.35	100%	0	0%	0	0%	0	0%		

Conc Re Prot Sys~

Protection system throughout deck surface was found to be performing as design.

1080: Delamination/Spall/Patched Area											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4		
SQ.FT	50	0	0%	50	100%	0	0%	0	0%		

Spalls~

Random areas throughout deck surface at or near expansion joint devices were found to have surface scaling and spalling conditions.

(See Photos)

107: Steel Opn Girder/Beam											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4		
FT	2,560	2,550	100%	10	0%	0	0%	0	0%		

Girders~

All steel girder elements throughout structure were repainted during project performed in September of 2010. Paint system was found to be thin on bottom side of both girder elements and in bottom side of random steel diaphragm elements throughout spans. Areas of thin protective coating detected on bottom flanges of girders are now showing random areas of light surface rusting conditions.

Steel girder elements were found to have minor distortion typical throughout web sections along bays in between areas of vertical stiffeners.

Note that Girder element #1, near the forward abutment was found to have impact scrapes along bottom side flange. Beam element #4, span #3 was found to have a overhead sign attached to the web area.

(See Photos)

515: Steel Protective Coating											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4		
FT	14,045.18	14,014.7	100%	30.48	0%	0	0%	0	0%		

Steel Protective Coating~

All steel girder elements throughout structure were repainted during project performed in September of 2010. Paint system was found to be thin on bottom side of both girder elements and in bottom side of random steel diaphragm elements throughout spans. Areas of thin protective coating detected on bottom flanges of girders are now showing random areas of light surface rusting conditions.

(See Photos)

205: Re Conc Column										
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4	
EACH	9	9	100%	0	0%	0	0%	0	0%	

Pier Columns~

Pier column elements along side of lanes of I-75 north and southbounds were found the have random areas of light strikes and scrapes due to traffic impact; otherwise pier column elements throughout structure were found to be performing as designed at this time.

215: Re 0	Conc Abutment								
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	141.99	141.99	100%	0	0%	0	0%	0	0%
Concrete Note both expansion Forward a failure. Hairline ve Measuren Measuren Measuren Measuren Measuren Measuren Retaining measured roadway t inches. T retaining v Roadway (See Phot	Abutment~ a the rear and forven a joint seal failure abutment was four ertical cracking w ments are as follow ments 08/01/2005 ments 08/29/2009 ments 06/25/2009 ments 06/25/2009 ments 06/29/2009 ments 06/13/2013 ments 06/18/2015 walls are suppord d with each inspect transition and abu this settlement have wall accelerating drainage boxes at tos)	vard abutments wess s above. nd to have stainin as found in rando ws: inspection: Left V inspection: Left v	ere found t g througho m concrete Vall 4.5 inc Vall 5.0 inc Vall 5.0 inc Vall 5.0 inc Vall 5.0 inc Vall 5.0 inc Vall 5.0 inc of walls has to of left sid of the aspl	o have dark staini ut backwall, due t bearing pedestal hes Right Wall 1. ches Right Wall 3. hes Right Wall 3. adway. Lateral m s caused settleme e continues up to nalt to concrete ar to settlement and	ng in rando o leakage f s at abutme 75 inches 75 inches	m locations throug from broken retain ent seat locations. left and right sides nd has areas wher is now piping into performing as desi	ghout, due er in strip s ed to be Mo s of the forv e settleme embankm	to leakage from seal expansion join southored and ward approach nt is up to 8 ent fill behind	ıt

234: Re	234: Re Conc Pier Cap											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4			
FT	90	90	100%	0	0%	0	0%	0	0%			

Pier Caps~

Pier cap elements throughout structure were found to be performing as designed at this time. (See Photos)

300: Str	300: Strip Seal Exp Joint											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4			
FT	87	23.5	27%	43.5	50%	0	0%	20	23%			

Strip seal Expansion Joint~

Expansion joint devices throughout structure are of Strip Seal design.

Retainers welds at forward abutment are broken and retainer and strip seal is loose and no longer operating as designed. All strip seal are full of roadway dirt and debris and are beginning to fail from roadway material being compacted into seal.

See photos

314: Pot	314: Pot Bearing												
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4				
EACH	20	20	100%	0	0%	0	0%	0	0%				
Bearings Bearing of All bearin this time. Due to no (See Pho Anchor b plate and due to co 1 bolt cut performin	~ devices throughoung ewer paint coating otos) olt on Girder #4 ri I can not back out onflict with sole pla t, anchor bolts wh ng as designed.	ut structure are of a hout structure wer g system movemen ight rear side of m t any farther. Rea ate bolts . Forward ere cut off to top o	Steel Painte e repainted nt in devices asonry plate r abutment d abutment f masonry p	ed Pot design. during Septembe s could not be def e at pier #4 has ba has two anchor bo Bearing #1 had 2 plate due to confli	er of 2010, v tected. acked out to olts cut off o bolts cut, E ct with sole	with all found to be o the point were b of every pot bearin Bearing #2 had 2 l plate bolts. All be	e performing olt is agains ng at top of polts cut, ar earings app	g as designed at st bottom of sole masonry plate nd Bearing #3 had bear to be	I				

515: Steel Protective Coating											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4		
EACH	0.09	0.09	100%	0	0%	0	0%	0	0%		

#### Inspection Report with SI&A Data

331: Re Conc Bridge Railing											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4		
FT	1,280	1,230	96%	50	4%	0	0%	0	0%		

Bridge Railing~

Concrete bridge railing system throughout structure is Jersey Barrier Wall.

Railing system was found to have a minor loss of protective coating system throughout, along with hairline vertical flexure cracking at random spacing throughout.

Overhead lights were found to be attached to the bridge railing system along the right side of the structure.

#### Total Otv Unite

850: 2nd Elem

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(EA)	1	1	100%	0	0%	0	0%	0	0%

Steel Diaphragms~

Steel diaphragms were painted in the year of 2010. All diaphragms were found to be performing as design.

851: Transitions											
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4		
(EA)	1	0	0%	1	100%	0	0%	0	0%		
Transitio Minor se (See Pho	ns~ ttlement was foun otos)	d in both the rear	and forwar	d approach roadw	ay transitic	ons to the structure	3.				

860: Erosion Ctrl/Prt									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(EA)	1	1	100%	0	0%	0	0%	0	0%

Erosion Control~

Erosion control protection systems were found along both the rear and forward abutment slopes, which were found performing as design.

(See Photos)

STRUCTURE NOTES

Structure Stamped 1989

Vertical clearance of span #2 over KY-18 ramp to southbound I-75 was measured @ 19.56'. (0629/2011)

#### **INSPECTION NOTES**

Structure was inspected by Craig Bresch

6/13/2013 SDE taken on both the left and right concrete retaining walls at the forward abutment location, which retain embankment fill for the forward approach roadway transition from structure. Vertical misalignment in these wall elements showed continuing movement/displacement over several inspections during the past, which should remain closely watched for further changes.

Measurements are as follows: Measurements 08/01/2005 inspection: Left Wall 4.5 inches Right Wall 1.75 inches Measurements 08/29/2007 inspection: Left Wall 4.75 inches Right Wall 3.5 inches Measurements 06/25/2009 inspection: Left Wall 5.0 inches Right Wall 3.75 inches Measurements 06/29/2009 inspection: Left Wall 5.0 inches Right Wall 3.75 inches (06/29/2011) Measurements 06/13/2012 inspection: Left Wall 5.0 inRight Wall 3.75 inches

Both retaining walls supporting the forward approach roadway transition from structure showed according to recorded measurements continuing movement/displacement over several years, which should remain watched. Movement of walls has caused settlement on both left and right sides of the forward approach roadway transition. (06/18/2015)

\*Note that vertical clearance of span #2 over KY-18 ramp to southbound I-75 was measured @ 19.56'. (0629/2011)

Anchor bolt on Girder #4 right rear side of masonry plate at pier #4 has backed out to the point were bolt is against bottom of sole plate and can not back out any farther. Rear abutment has two anchor bolts cut off of every pot bearing at top of masonry plate due to conflict with sole plate bolts. Forward abutment Bearing #1 had 2 bolts cut, Bearing #2 had 2 bolts cut, and Bearing #3 had 1 bolt cut, anchor bolts where cut off to top of masonry plate due to conflict with sole plate bolts. All bearings appear to be performing as designed.

 WORK

 Action:
 1047 - Joints-Replace

 Generated by user "cbresch" on 6/18/2015

 -Replace/repair both the rear and forward expansion joint devices.